

Summary of Computational Modeling and Simulation Example

Name _____

Project Title

Brief description of the model

Why is a simulation important to this situation? Refer to the bulleted lists of reasons to undertake modeling and the benefits of modeling to industry and fill in a description in the relevant items below. Add more space as necessary.

System is too small or too large and to manipulate experimentally

System is too complex to understand without a model

Manipulating the system might be harmful

Simulations lead to a more innovative solution

Simulations save a significant amount of money in developing or producing the product

Simulations have speeded the process of discovery

Simulations have reduced the time to get something to market

Simulations have made the production process more efficient